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From: Christopher Ciz
Sent: Monday, June 16, 2014 2:00 PM
To: All Dirs All Rgns - PT; All Dirs All Rgns - SR
Subject: MAZDA DEALER NOTICE - SERVICE BULLETIN RELEASE

SERVICE BULLETIN RELEASE - 06/16/2014

2014 INDEX: http://www.mstore2000.com/PDF_Files/index06-16-14.pdf

The following Service Bulletin has just been issued.

- For latest MS3 postings, click here: <https://portal.mazdausa.com/m173/service/esi/MazdaServiceShop>

- For printable PDF files from MStore, click on the link below each TSB title:

* If the links do not automatically take you directly to the document, cut and paste the link into your internet browser address window and press enter.

NEW BULLETIN

01-015/14 – 2010-2013 MAZDASPEED3 - CHECK ENGINE LIGHT ON WITH DTC P0300:00

http://www.mstore2000.com/PDF_Files/01-015-14-2929.pdf

- Please distribute this information to all parts and service personnel.
- If you no longer wish to receive Mazda bulletins, please contact the IT Administrator at your dealership and ask them to remove your email address from under the EMDCS application.

Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**mazda**

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Subject:

CHECK ENGINE LIGHT ON WITH DTC P0300:00

Bulletin No: 01-015/14**Last Issued:** 06/16/2014**APPLICABLE MODEL(S)/VINS**

2010-2013 Mazdaspeed3

DESCRIPTION

Some vehicles may experience the Check Engine Light ON with DTC P0300:00 (Random misfire detected) stored in memory. The vehicle can run normal without any driveability or NVH concern.

This is caused by improper programming of the PCM. To correct the problem, the PCM will be reprogrammed.

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Reboot the IDS to clear memory before reprogramming.
2. Perform Mode 6 to verify the #1 and #4 cylinders or the #2 and #3 cylinders are misfiring.
 - If YES, proceed to the next step.
 - If NO, this TSB is not applicable. Check the vehicle according to MS3 online instructions or the Workshop Manual.
3. Using IDS 90.04 or later software, reprogram the PCM to the latest calibration (refer to "Calibration Information" table) by following the "Module Reprogramming" procedure.

NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for PCM reprogramming.
- It is not necessary to remove any fuses or relays during PCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the PCM terminals and cause the PCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
- IDS shows the calibration part numbers after programming the PCM.
- Please be aware that PCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
- When reprogramming a PCM, IDS will always display the "latest" calibration P/N available for that vehicle. If any calibration has been revised/updated to contain new information for a new service concern/issue, it will also contain all previously released calibrations.
- **When performing this procedure, we recommend using the "Power Supply" mode in the Battery Management System to keep the vehicle battery up to capacity. If a different charger is used, make sure it does not exceed 20 AMPS. If it exceeds 20 AMPS, it could damage the VCM.**

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CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical—including photocopying and recording and the use of any kind of information storage and retrieval system—without permission in writing.

4. After performing the PCM reprogramming procedure, verify the repair by starting the engine and making sure there is no Check Engine Light ON or abnormal warning lights present.

NOTE: If any DTCs should remain after performing DTC erase, diagnose the DTCs using MS3 online instructions or Workshop Manual section 01-02.

5. Perform the following initial learning (Misfiring intersection learning) for 10 cycles.
- Drive the vehicle on a light traffic flat road with the transmission in 3rd gear and the A/C OFF.
 - Decelerate the vehicle from 3,800 rpm (50 mph / 80 km/h) to 3,000 rpm (35 mph / 60km/h) with the accelerator pedal completely OFF and no brakes applied.
6. Force the engine to misfire using the following procedure to confirm that the initial learning has been successfully completed.
- Let the engine idle for 2 minutes.
 - Perform Mode 8 to forcibly cut the #1 injector for **10 seconds** and confirm misfiring occurs.
 - Let the engine idle for 2 minutes.
 - Perform Mode 6 to verify if misfiring for the #1 cylinder is counted.
 - If YES, it indicates the initial learning has been successfully completed.
 - If NO, replace the dual-mass flywheel (DMF) with a new one according to the instructions on MS3 online or the Workshop Manual (section 05-10 CLUTCH UNIT REMOVAL/INSTALLATION [A26M-R]).

CALIBRATION INFORMATION

MY	Specification	File Name
2010	CALIF	L3BD-188K2-H
	FED/CANADA	L3BM-188K2-K
2011-2013	CALIF	L3DN-188K2-D
	FED/CANADA	L3EC-188K2-F

NOTE: It is not necessary to order a PCM part for this repair procedure.

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
L304-16-610E	Dual Mass Flywheel (DMF)	1	Replace if necessary
L304-16-311	Bolt	6	Replace with flywheel
0000-77-5W80-QT	Manual Transaxle Oil	3	Specification: 2.6 - 2.7 US qt

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's Federal Emission Warranty (long term).
- Additional diagnostic time cannot be claimed for this repair.

	Reprogramming PCM, initial learning, etc.	Reprogramming PCM, initial learning, etc., and replace flywheel
Warranty Type	A	A
Symptom Code	6X	6X
Damage Code	9W	9W
DTC	P0300	P0300
Part Number Main Cause / Qty.	5555 RP PCM / 0	5555 RP PCM / 0
Related Part Number / Qty.	---	L304 16 610E / 1 L304 16 311 / 6
Operation Number / Labor Hours:	XXK7HAFX / 1.5 Hrs.	XXK7HBFX / 6.7 Hrs.

NOTE: Complete IDS printouts, including Mode 6 and logviewer, must be attached to the repair order and made available upon request.